15" TFT LCD SXGA monitor

150X4FS

High design for the stylish home

- ***15-inch color LCD monitor with excellent display performance***
- ***LightFrame™ for the brightest, sharpest and most vivid images ever!***
- ***Stereo 1W/channel RMS x 2 speakers***
- ***Standard VGA analog input***
- ***Embedded universal AC power supply***
- ***AUTO adjustment optimizes picture quality***
- ***sRGB compliance***
- ***Intelligent cable management keeps desk clear of unsightly wires***
- ***TCO2003***

LightFrame™

PHILIPS

15" TFT LCD SXGA monitor

Technical Specifications

LCD panel

• Type	TFT LCD
• Screen size	15 inch / 38.1 cm
• Pixel pitch	0.297 x 0.297 mm
• LCD panel type	1024 x 768 pixels, R.G.B vertical stripe Anti-glare polarizer, hard coated
• Effective viewing area	304.1 x 228.1 mm
• Display colors	16.7M colors

Scanning

• Vertical refresh rate	56~76 Hz
• Horizontal frequency	30~61 KHz

Video

• Video dot rate (Max.)	80 MHz
• Input impedance	
- video	75 ohm
- Sync	2K ohm
• Input signal levels	0.7 Vpp
• Sync input signal	Separate sync Composite sync Sync on green
• Sync polarities	Positive and negative

Audio

• Input signal level	0.5 V RMS
• Input signal connector	3.5mm mini jack
• Loudspeaker	1W/channel RMS x2

Optical characteristics

• Contrast ratio	400 (typ.)	
• Brightness	250 cd/m^2 (typ.)	
• Peak contrast angle	6 o'clock	
• White chromaticity	x: 0.283	y: 0.297 (at 9300°K)
	x: 0.313	y: 0.329 (at 6500°K)
• Viewing angle	Upper	≥ 50°(typ.)
(C/R >5)	Lower	≥ 60°(typ.)
	Left	≥ 75°(typ.)
	Right	≥ 75°(typ.)
• Response time	≤25 ms (typ.)	

Resolution & preset modes

- Maximum 1024x768 at 75Hz
- Recommended 1024x768 at 60Hz
- 14 user definable modes
- 14 factory preset modes:

	H.freq (KHz)	V.freq (Hz)
640 x 350	31.5	70
720 x 400	31.5	70
640 x 480	31.5	60
640 x 480	35.0	67
640 x 480	37.8	73
640 x 480	37.5	75
800 x 600	35.2	56
800 x 600	37.9	60
800 x 600	48.0	72
800 x 600	46.9	75
832 x 624	49.7	75
1024 x 768	48.4	60
1024 x 768	56.5	70
1024 x 768	60.0	75

(Interlace mode is not applicable)

Plug and play compatibility

- Display data channel DDC 2B (VESA)
- Microsoft® Windows® 95/98/ Me & 2000/ XP compatible

Power management

Complies with EPA Energy Star and NUTEK specifications

• Typical operation	20W (typical)
• Sleep mode	1W

Low-emission characteristics

- Complies with TCO 2003, MPRII and prEN50279 (MPRIII) specifications

Monitor controls and functions

• Side	Power on/off	- Tact Switch
	OK	- Tact Switch
	Auto	- Tact Switch
	Up/Down (Brightness)	- Tact Switch
	Left / Right	- Tact Switch
	LightFrame	- Tact Switch
• LightFrame	LED indicator Blue	
• Power LED indicator	Green	power on
	Amber	power save/OFF mode
	Flashing Green	new mode

Audio controls & function

• Side Volume adjustment control with	Power on/off	- Rotary button
• LED indicator	Green	power on

Connections and cables

• Connections on monitor body	
- Video	15-pin D-sub (analog)
- DC output	12V, 6.5mm DC connector
- Power	IEC/CEE-22 type male power inlet on monitor body
• Cables	D-Sub video cable, Power cable, Audio cable

Regulatory approvals

- TUV/GS, TUV-Ergo
- FCC-B, UL, CSA
- SEMKO
- prEN50279 Low Emission
- CE Mark
- NUTEK, Energy Star
- TCO 2003

Physical specifications

• Dim. incl. base (WxHxD)	360x358x177 mm (incl.Pedestal)
• Dim. excl. base (WxHxD)	360x321x55 mm
• Tilt	-5°~25°
• Net Weight	3.3 Kg
• Gross Weight	4.7 Kg
• Power supply	100 – 240 VAC, 50/60 Hz
• Power consumption	20 W* (typ.)
• Temperature (operating)	+5°C to +40°C
• Temperature (Storage)	-20°C to +60°C
• Relative humidity	20% to 80%
• System MTBF	50K hrs (excluding CCFL 40K hrs)

* Resolution 1024 x 768, standard size, contrast max., brightness 50%, 9300°K, full white pattern, without Audio.

We recommend using 1024 x 768 at 60Hz non-interlaced mode for the best picture quality.
As an Energy Star partner, Philips has determined that this product meets the Energy Star guidelines for energy efficiency.
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